

Sony International (Europe) GmbH
 S00P5132EP00J
 PAE00-033TRDE
 Our File: P23768EP

Abstract

The invention proposes a device for generating, from incoming signal values ($X_{i,n}$), soft-values ($Y_{i,n}$) to be input into a channel decoder of a communication device for use in a wireless communication system, comprising truncation means (24, 26, 28) for truncating the incoming signal values ($X_{i,n}$) such as to fall within a predetermined limit value range, and normalization means (30, 32) for normalizing the truncated signal values ($X_{i,n}^t$) such as to fit to an input range of the decoder. According to the invention, the truncation means (24, 26, 28) are adapted to determine the boundaries of the limit value range in dependence on information representative of a signal-to-noise ratio of the incoming signal values ($X_{i,n}$). The truncated signal values ($X_{i,n}^t$), after normalization, then are output as said soft-values ($Y_{i,n}$).

(Fig. 2)